

FIG. 1 (PRIOR ART)

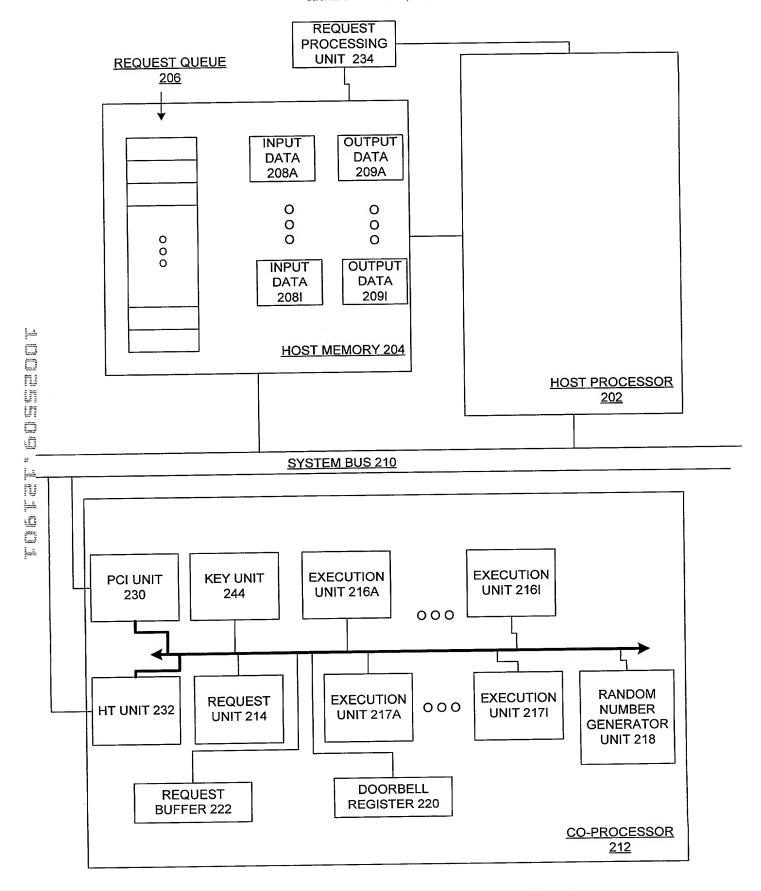


FIG. 2

DATA LENGTH 308		
PARAMETERS 306	DATA POINTER 310	RESULT POINTER 312
SIZE 304	/α	RE
OPERATION CODE 302		

lossing letter

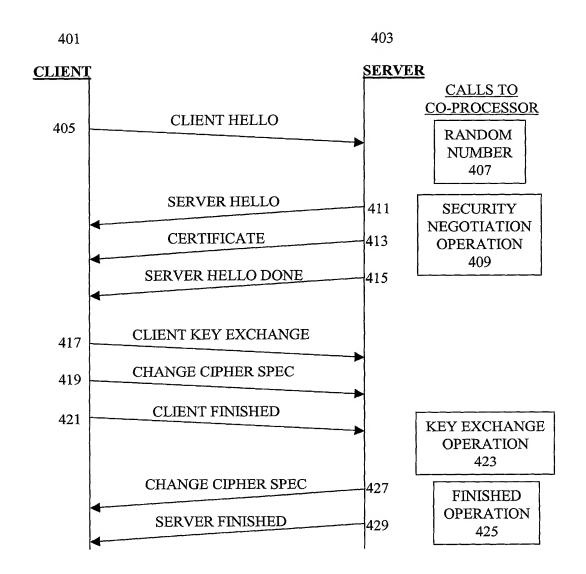


FIG. 4

MACRO SECURITY OPERATIONS	PRIMITIVE SECURITY OPERATIONS
SECURITY NEGOTIATION OPERATION	2 partial hash OPERATIONS (1 MD5 and 1 SHA1)
KEY EXCHANGE OPERATION	1 - RSA OPERATION 20 Hash OPERATIONS (10 MD5 + 10 SHA1) for SSL 3.0 76 Hash OPERATIONS (40 MD5 + 36 SHA1) for SSL 3.1 2 partial hash OPERATIONS (1 MD5 and 1 SHA1)
FINISHED OPERATION	1 - decrypt OPERATION (RC4 or 3DES or DES or AES) 2 - hash OPERATIONS for MAC (either MD5 or SHA1) 4 - hash OPERATIONS (2 MD5 + 2 SHA1) 4 - hash OPERATIONS (2 MD5 + 2 SHA1) 1 - encrypt OPERATION (RC4 or 3DES or DES or AES) 2 - hash OPERATIONS for MAC (either MD5 or SHA1)

FIG. 5

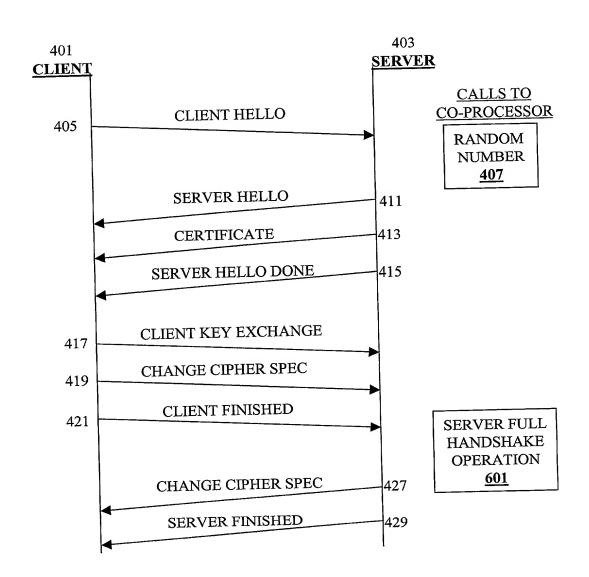


FIG. 6

MACRO SECURITY OPERATION	PRIMITIVE SECURITY OPERATIONS
FULL HANDSHAKE OPERATION	1 - RSA OPERATION 20 Hash OPERATIONS (10 MD5 + 10 SHA1) for SSL 3.0
	76 Hash OPERATIONS (40 MD5 + 36 SHA1) for SSL 3.1
	6 – hash OPERATIONS (3 MD5 + 3 SHA1)
	1 – encrypt OPERATION ((A)RC4 or 3DES or DES or AES)
	6 – hash OPERATIONS (3 MD5 + 3 SHA1)
	1 - encrypt OPERATIONS ((A)RC4 or 3DES or DES or AES)
	2 – hash OPERATIONS for MAC (either MD5 or SHA1)
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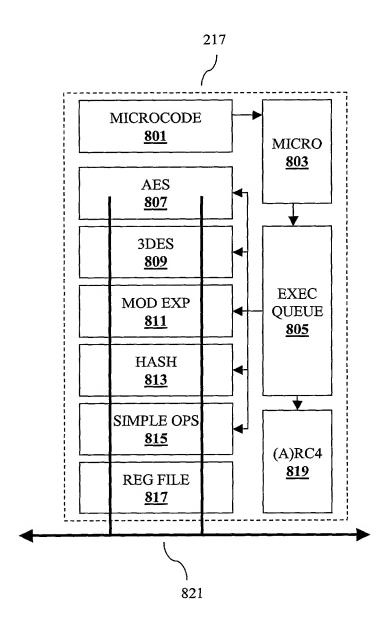


FIG. 8

METHOD 900

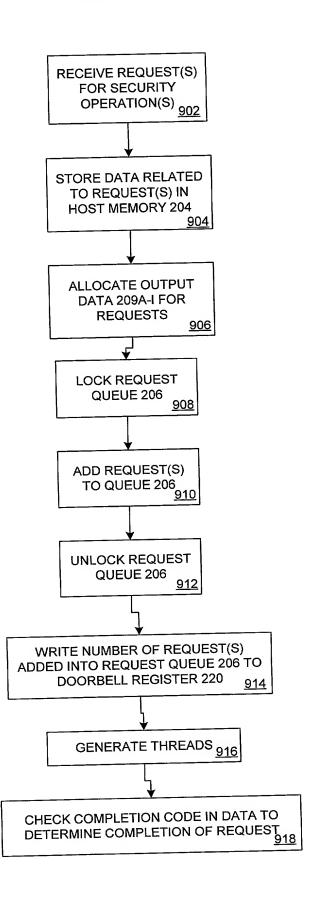


FIG. 9

005655.P004
"An Interface For a Security Coprocessor"
Richard E. Kessler, et al.

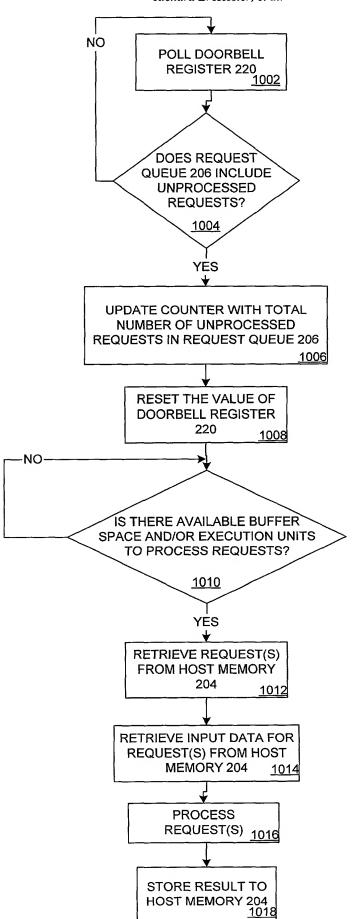


FIG. 10